77	Supply of 2'x2' LED recessed luminaire with following watts system wattage. Housing shall be with pressure die cast aluminium alloy with corrosion proof resistant polyester powder coated. Driver operates with voltage range from 100V to 270V 50/60Hz with short circuit, over load & mis-wiring protection. Lumen maintanance of 70% at 50000Hrs. Injection moulded polycarbonate diffuserfor better mechanical stability, light transmission & avoid pot hole effect. Junction temparature shall be <70degree celsius. Driver is on constant current driver @ 0.6A with PF >0.92 with line voltage @ 220-240V @ 50/60Hz, driver efficency >85% THD < 15%. LED Efficeiency > 130 lm/W at 1W & fixture efficiency > 75Lm/W with CRI >75 with injection moulded polycarbonate lens with < 80mm depth. 5Years warranty against any manufacturing defect working under standard electrical condition.										
a	LED modular down light 1'x1' - 36Watts Group A Item No, Page No4-4.33.1-26	10.00	Each	7006.00	70,060.00	0.00	0.00	10.00	70,060.00	10.00	70,060.00
78	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double, ball bearing system and as per technical data approved.										
	48" Sweep (1200mm)									0.00	0.00
a	Regular Model Item No, Page No9-9.3.1.1-84	4.00	Each	2376.00	9,504.00	0.00	0.00	4.00	9,504.00	4.00	9,504.00
79	Fixing a ceiling/Wall mounting fan of all capacities and all types to the existing S hook together with supplying and fixing a 5 ampers ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring completely.Item No, Page No17-17.8-115	4.00	Each	139.00	556.00	0.00	0.00	4.00	556.00	4.00	556.00
	Street Light										
80	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended.Page No 35/ Item No 5.16.2	12.00	Nos	5724.00	68,688.00	0.00	0.00	12.00	68,688.00	12.00	68,688.00
81	LED Post Top Lantern GARDEN.Supply of LED Post Top Lantern with system ... wattage, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 years Warranty against any manufacturing defect working under standard electrical condition.Page No 26/ Item No 4.34.2	12.00	Nos	15930.00	191,160.00	0.00	0.00	12.00	191,160.00	12.00	191,160.00
82	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B.										

Consultant

Assistant Engineer

a	16 sqmm	150.00	0.00	132.00	19,800.00	0.00	0.00	148.00	19,536.00	148.00	19,536.00
b	1.5 sqmm	50.00	0.00	15.90	795.00	0.00	0.00	47.00	747.00	47.00	747.00
83	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	1.00	0.00	4586.00	4,586.00	0.00	0.00	1.00	4,586.00	1.00	4,586.00
84	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 100-125Amps	1.00	0.00	9015.00	9,015.00	0.00	0.00	1.00	9,015.00	1.00	9,015.00
85	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.	1.00	0.00	677.00	677.00	0.00	0.00	1.00	677.00	1.00	677.00
86	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	1.00	0.00	2727.00	2,727.00	0.00	0.00	1.00	2,727.00	1.00	2,727.00
87	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.	4.00	0.00	360.00	1,440.00	0.00	0.00	4.00	1,440.00	4.00	1,440.00
88	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.	25000.00	0.00	0.33	8,250.00	0.00	0.00	25,000.00	8,250.00	25000.00	8,250.00
89	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.	5.00	0.00	263.00	1,315.00	0.00	0.00	5.00	1,315.00	5.00	1,315.00
90	Supplying of 1.1 KV class UG cable in having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class (P.No.55, I.No.7.4)	200.00	m	118.80	23,760.00	0.00	0.00	198.00	23,522.00	198.00	23,522.00
91	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15	200.00	Per Mtr	85.00	17,000.00	0.00	0.00	198.00	16,830.00	198.00	16,830.00
92	Labour charges for laying of UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15	200.00	Per Mtr	10.80	2,160.00	0.00	0.00	198.00	2,138.00	198.00	2,138.00
	Bore Well										

Consultant M/s. K.R.I.D.L

Assistant Engineer

Assistant Excecutive Engineer

93	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction (P.48, I. 9.4) PRED.SR 2012-13	1.00	Each BW	1882.00	1,882.00	0.00	0.00	1.00	1,882.00	1.00	1,882.00
94	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13										
a	0 to 50 m	50.00	Rmtr	306.00	15,300.00	0.00	0.00	50.00	15,300.00	50.00	15,300.00
b	50 to 100 m	50.00	Rmtr	400.00	20,000.00	0.00	0.00	50.00	20,000.00	50.00	20,000.00
c	100 to 150 m	50.00	Rmtr	445.00	22,250.00	0.00	0.00	50.00	22,250.00	50.00	22,250.00
d	150 to 200 m	50.00	Rmtr	470.00	23,500.00	0.00	0.00	50.00	23,500.00	50.00	23,500.00
e	200 to 250 m	50.00	Rmtr	544.00	27,200.00	0.00	0.00	50.00	27,200.00	50.00	27,200.00
f	250 to 300 m	50.00	Rmtr	583.00	29,150.00	0.00	0.00	50.00	29,150.00	50.00	29,150.00
g	300 to 350 m	30.00	Rmtr	622.00	18,660.00	0.00	0.00	28.00	17,416.00	28.00	17,416.00
95	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty P. iii, I No. 84 PRED SR 2012-13	50.00	Rmtr	1325.00	66,250.00	0.00	0.00	50.00	66,250.00	50.00	66,250.00
96	Providing 250mm dia PVC Pipe 6kg/cm SE PRED Approved Rate	20.00	Rmtr	754.47	15,089.00	0.00	0.00	20.00	15,089.00	20.00	15,089.00
97	Providing and fixing 160mm Borewell Cap P. iii, I No. 85	1.00	Each	100.00	100.00	0.00	0.00	1.00	100.00	1.00	100.00

Consultant

M/s. K.R.I.D.L

Assistant Engineer

98	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps PWD SR 2016-17 P. XXXXII Item No. 24 including of all taxes										
	10 HP 20 Stage	1.00	No	50100.00	50,100.00	0.00	0.00	1.00	50,100.00	1.00	50,100.00
99	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008	250.00	Rmtr	375.00	93,750.00	0.00	0.00	250.00	93,750.00	250.00	93,750.00
100	Heavy Duty Collar 50 mm dia	38.00	Nos	130.00	4,940.00	0.00	0.00	38.00	4,940.00	38.00	4,940.00
101	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 6 Sqm mm KPWD Electrical SR 2014-15	500.00	Mtr	188.70	94,350.00	0.00	0.00	500.00	94,350.00	500.00	94,350.00
102	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09	1.00	No	3000.00	3,000.00	0.00	0.00	1.00	3,000.00	1.00	3,000.00
103	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15	1.00	Each	302.00	302.00	0.00	0.00	1.00	302.00	1.00	302.00
104	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15	35.00	Mtr	140.40	4,914.00	0.00	0.00	35.00	4,914.00	35.00	4,914.00

Consultant M/s. K.R.I.D.L Assistant Engineer Assistant Excecutive Engineer

105	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15	36.00	Mtr	10.80	389.00	0.00	0.00	36.00	389.00	36.00	389.00
106	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15										
	For Cutting Road Surface	35.00	Mtr	85.00	2,975.00	0.00	0.00	35.00	2,975.00	35.00	2,975.00
107	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15									0.00	0.00
	40mm dia GI pipe	4.00	Mtr	345.00	1,380.00	0.00	0.00	4.00	1,380.00	4.00	1,380.00
108	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15										
	16Sqmm	2.00	No.	280.00	560.00	0.00	0.00	2.00	560.00	2.00	560.00
109	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, (P No. 55, I No. 7.1) KPWD Electrical SR 2014-15	2.00	No	2727.00	5,454.00	0.00	0.00	2.00	5,454.00	2.00	5,454.00
110	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15										
	32 Amps	12.00	No.	180.00	2,160.00	0.00	0.00	12.00	2,160.00	12.00	2,160.00
111	KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications NO KBS 13.2.16 / 13.13 Page No. 93 Item No. 13.55 / PWD SR 2016-17	1.00	Nos	1615.68	1,616.00	0.00	0.00	1.00	1,616.00	1.00	1,616.00
112	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. P. No. 95 / I. No. 13.81.3 PWD SR 2016-7										
	50mm dia	2.00	No	232.20	464.00	0.00	0.00	2.00	464.00	2.00	464.00
113	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	8.00	No	80.00	640.00	0.00	0.00	8.00	640.00	8.00	640.00
114	Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc complete as per specifications	1.00	No	350.00	350.00	0.00	0.00	1.00	350.00	1.00	350.00

115	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15	1.00	No	1547.00	1,547.00	0.00	0.00	1.00	1,547.00	1.00	1,547.00
116	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete P.No. 49, I. No. 6.40.2 KPWD Electrical SR 2014-15										
	16SWG	16200.00	Sq.Cm	0.33	5,346.00	0.00	0.00	15,600.00	5,148.00	15600.00	5,148.00
117	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 12.5HP to 15 HP Star Delta Starter SERDED Rate	1.00	No.	11000.00	11,000.00	0.00	0.00	1.00	11,000.00	1.00	11,000.00
118	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil	22.50	Cum	188.00	4,230.00	0.00	0.00	22.50	4,230.00	22.50	4,230.00
119	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.15 item No.3.4.2 b PRED SR 2012-13.	50.00	Rmtr	157.00	7,850.00	0.00	0.00	50.00	7,850.00	50.00	7,850.00
120	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs Page No. 3 / Item No. 1.6 / PRED SR 2012-13	22.50	Cum	61.00	1,373.00	0.00	0.00	22.50	1,373.00	22.50	1,373.00
121	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P. 92 / I.13.37 PWD SR - 2016-17	2.00	Each	2216.16	4,432.00	0.00	0.00	2.00	4,432.00	2.00	4,432.00
	Bescom Charges				11,000.00				10,729.00		10,729.00

Consultant

M/s. K.R.I.D.L

Assistant Engineer

Assistant Excecutive Engineer

122	Fabricating, providing and erecting in poiston of Hot dip galvanised M.S.Ornamental security Grill Gate using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for suqare bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at the botom and C I arrows inthe midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drillling holes. the work includes providng two coats of enamel painting over one coat of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes etc as per specification and drawings.(P.No.41, I.No.7.32 of PW,P&IWTD S.R 2016-17)	410.40	Kg	189.49	77,765.00	0.00	0.00	410.40	77,765.00	410.40	77,765.00
									8921543.00		8921543.00
		Amount in Words	Rupees Eighty Nine Lakh Twenty One Thousand Five Hundred Forty Three Only								

Add 11%. KRIDL charges 981369.73

Grand Total = 9902912.73

[Ninetynine Lakhs Two thousand nine Hundred and twelve Rupees

Certificate:

1 Certified that the contractor has done the work satisfactorly
2 Certified that the debris has been removed from the site
3 Certified that the No dues from the contractor
4 Certified that the above item of the work were not claimed in any other bill

TEJUS CONSULTANTS